

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011387

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J20/20 B01J20/34

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 38 31 722 A (DIETER UHRNER STAHLBAU GMBH) 22 March 1990 (1990-03-22) column 2, line 23 – column 3, line 20; figures ----- EP 0 678 326 A (STORK FRIESLAND BV) 25 October 1995 (1995-10-25) column 7, line 44 – column 9, line 29; figure 4 -----	1
A		1

 Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

4 April 2005

11/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Plaka, T

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011387

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 3831722	A	22-03-1990	DE	3831722 A1		22-03-1990
EP 0678326	A	25-10-1995	NL	9400647 A		01-12-1995
			DE	69527463 D1		29-08-2002
			DE	69527463 T2		12-12-2002
			EP	0678326 A1		25-10-1995